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| Book Name: | [Research Perspective on Biological Science](https://www.bookpi.org/bookstore/product/research-perspective-on-biological-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5057** |
| Title of the Manuscript: | **Morphological and Taxonomic Description of a New Species of Procamallanus (Nematoda: Camallanidae) Parasitizing Ailia coila (Siluriformes: Ailiidae) from the Barak River, Assam** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**UTTAR PRADESH JOURNAL OF ZOOLOGY, 41(19): 47-54, 2020.**

**Available:** [**https://mbimph.com/index.php/UPJOZ/article/view/1732/1657**](https://mbimph.com/index.php/UPJOZ/article/view/1732/1657)

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | The investigation of parasites in commercially important fish species represents a crucial area of research within zoology, particularly in the field of ichthyoparasitology. Of particular interest are those parasites that infect fish species of significant socio-economic value as food sources. Given the paucity of robust scientific literature concerning nematodes of the family Camallanidae, this study has the potential to provide a valuable contribution to our understanding of their distribution and morphology. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | It would be prudent to omit the term "taxonomic description" from the title, as the authors of these studies merely perform comparative analyses of the discovered nematode species against previously described taxa, rather than conducting comprehensive taxonomic investigations. Furthermore, for the purpose of unambiguous geographical localization of the finding, the inclusion of the country of origin is warranted. Therefore, I propose the following revised title: "Morphological Description of a Novel Species of Procamallanus (Nematoda: Camallanidae) Recovered from Ailia coila (Siluriformes: Ailiidae) in the Barak River, Assam (India)» |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract is both comprehensive and accurate, effectively encapsulating the core of the research problem under investigation |  |
| **Is the manuscript scientifically, correct? Please write here.** | The overall impression of the submitted manuscript is favorable. However, the "Materials and Methods" section requires further refinement. Specifically, the precise number of fish specimens examined must be clearly stated, as this directly impacts the assessment of the objectivity and reliability of the study. Furthermore, for the characterization of the morphological features of the identified nematodes, the authors employed Yamaguti's nematode identification key. Nevertheless, the rationale behind the inclusion of Yamaguti's keys for trematodes and acanthocephalans remains unclear, given the exclusive focus of the study on nematodes, as evidenced by the cited literature. It is also imperative to utilize more contemporary identification keys for nematode morphology, as this could substantially alter the study's findings. The addition of a geographical map depicting the fish sampling locations would significantly enhance the manuscript. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The majority of the cited literature is current and reflects the research problem under investigation. However, certain references require revision (as noted above regarding the identification keys for trematodes and acanthocephalans). Furthermore, there are additional relevant scientific sources pertaining to the chosen topic:  1) Santacruz A, Barluenga M, Pérez-Ponce de León G. Taxonomic assessment of the genus Procamallanus (Nematoda) in Middle American cichlids (Osteichthyes) with molecular data, and the description of a new species from Nicaragua and Costa Rica. Parasitol Res. 2021 Jun;120(6):1965-1977. doi: 10.1007/s00436-021-07148-1. Epub 2021 Apr 14. PMID: 33851247  2) [Ailán-Choke, Lorena Gisela, 2017, Observations on two Procamallanus (Spirocamallanus) species (Nematoda: Camallanidae) from freshwater fishes in Argentina, including description of Procamallanus (Spirocamallanus) juana sp. nov., Zootaxa 4323 (2), pp. 286-294](https://treatment.plazi.org/GgServer/summary/A8234E0CBE69DD415751FF9DFFB49A40) : 287-293  …. |  |
| Is the language/English quality of the article suitable for scholarly communications? | There is room for improvement in the quality of the English language. |  |
| Optional/General comments | The manuscript requires revision and refinement, particularly in the "Materials and Methods" section. Furthermore, the publication necessitates augmentation with additional scholarly sources.  In accordance with bioethical standards for the treatment of vertebrate organisms and the prevention of cruelty, it is recommended to clearly specify and describe the conditions under which the fish were kept alive, as well as the method of euthanasia (or any alternative procedure) applied prior to the study. This is essential to ensure compliance with the universally accepted ethical guidelines upheld by the scientific community. Have the protocols of these studies been reviewed by a bioethics committee? |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Serhii Honcharov, National University of Life and Environmental Sciences of Ukraine, Ukraine**